WELMAN, Roman; ROSAŁOWSKI, Karol; KUBUSZEWSKA-PAKYNOVA, Maria

Case of cervical pregnancy. Gin.polska 26 no.2:233-241 Apr-June '55.

1. Z I[1] Oddziału Położniczo-Ginekologicznego Szpitala Miejskiego nr 5 w Warszawie Kierownik: dr R. Welman, Warszawa, Emilii Plater 35.
(PREGNANCY ECTOPIC,
cervical, case report)

KSIAZKIEWICZ-SZAPIRO, Maria Danuta; KOBUSZEWSKA-FRAYNA, Maria

Gastric polyp with degeneration into cancer. Polski tygod. lek. 11 no.10:455-457 5 Mar 56.

1. Z Kliniki Gastrologicznej A.M. w Warszawie; kiero.: prof. dr. L. Pocker i z Zakladu Anatomii Patologicznej A.M. w Warszawie; kier.: prof. dr. L. Paszkiewicz. Warszawa-Saska Kera, Ul Poselska 21.

(POLYPI,
stomach, malignant degen. (Pol))
(STOMACH, neoplasms,
polypi, malignant degen. (Pol))

KOBUSZEWSKA, MARIE

POLAND / Human and Animal Morphology (Normal and Pathological). Cardiovascular System. S

Abs Jour : Ref Zhur - Biol, No 21, 1958, No 97110

Author : Rykowski, Henryk; Kurzinek, Boleslaw; Kobuszewska, Maria; Nielubowicz, Jan

Inst : Not given

Title : Experimental Transplantation of Lyophilized Arteries.

Orig Pub : Polski tygod. lekar, 1956, 11, No. 25, 1105-1108

Abstract : It was shown on experiments with 7 dogs that application of lyophilized arteries as transplants has its advantages as compared to transplantations of arteries conserved in fluids temporarily supporting the vitality of the tissue. In none of the dogs were thromboses and late hemorrhages discovered in postoperative observation in the course of 2-8 months.

I klin. Chirur. A. M. w. Warsawie

Card 1/1

MELANOWSKI, Wladyslaw Henryk; [redacted]

Considerations on retrolental fibroplasia and its relation to hydrophthalmia. Klin. ocsna 26 no.3:199-205 1956.

1. Z Kliniki Ocznej A.M. w Warszawie. Kierownik: prof. dr. W. H. Melanowski I z Zakladu Anatomii Patologicznej A.M. w Warszawie. Kierownik: prof. dr. L. Paskiewicz. Adres autorow: Prof. W. H. Melanowski, W-wa, ul. Emilii Plater 35, m. 11. Doc. M. Kobuszewska-Faryna, W-wa, ul. Kobla 27, m. 6.

(HYDROPHTHALMOS, complications, retrolental fibroplasia (Pol))
(RETROLENTAL FIBROPLASIA, complications, hydrophthalmos (Pol))

KOBUSZEWSKA-FARYNA, Maria; BYSTRZANOWSKA, Teofila

Bilateral Warthin's tumor (cystadenolymphoma papilliferum bilaterale). Nowotwory 14 no.2:181-186 '64.

1. Z Zakladu Anatomii Patologicznej, Studium Dokształcania Lekarzy z Akademii Medycznej w Warszawie (Kierownik: doc. dr. med. M. Kobuszewska-Faryna) oraz z I Kliniki Laryngologii Studium Dokształcania Lekarzy w Warszawie (Kierownik: prof. dr. med. T. Bystrzanowska).

BOWKIEWICZ, Janusz; BULSKA, Malgorzata; FUHMAN, Wlodzimierz; KOBUSZEWSKA-PARYNOWA, Maria; KUCHARCZYK, Kazimierz; SZUCKA, Halina; ZAKUSKA, Jozef.

Lymphography in cases of early cancer of the cervix uteri (preliminary communication). Pol. przegl. radiol. 28 no.5:395-400 S-O '64

1. Pracowni Rentgenodiagnostycznej Szpitala Bielanskiego w Warszawie (Kierownik: dr. med. J. Bowkiewicz); z Katedry Poloznictwa i Ginekologii Studium Doskonalenia Lekarzy w Warszawie (Kierownik: prof. dr. med. M. Bulska) i z Oddziału Chirurgii Ogolnej Szpitala Bielanskiego w Warszawie (Ordynator: doc. dr. med. W. Wiechno).

BOLOCZKO, Stefan; GRZYBOWSKI, Emil; KOBUSZEWSKA-FARYNA, Maria

Attempted clinical application of polyester nets for the covering of traumatic cutaneous and fascial defects. Pol. tyg. lek. 19 no.52:2019-2020 28 D'64.

1. Z Kliniki Chirurgii Urazowej Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie (kierownik: prof. dr. med. Jerzy Szulc oraz z Zakladu Anatomii Patologicznej Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie (kierownik: doc. dr. med. Maria Kobuszewska-Faryna).

KOBUSZEWSKA-FARYNOWA, Maria

Changes in the lymph nodes following lymphadenography. (Preliminary report). Pat. Pol. 16 no.2:141-149 Ap-Je '65.

1. Z Zakladu Anatomii Patologicznej Szpitala Bielanskiego i z Zakladu Anatomii Patologicznej Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie (Kierownik: doc. dr. med. M. Kobuszewska-Faryna).

KOBYAK, A. N.

USSR/Petrography

Card 1/1

Authors : Starkov, N. P; Kobyak, A. N. and Chirvinskiy, P. N.

Title : About the Petrography of rocks of crystallic base of the Molotov region (oblast')

Periodical : Dokl. AN SSSR, 95, 6, 1309 - 1311, 21 Apr 1954

Abstract : The article gives an analysis of the crystallic base of the Molotov oblast' (region). By the method of the integrational table; two tables, given in the article, have been compiled. One of them gives the quantitative content of the base; the other the chemical content of gneissoid-granites which form the base.

Institution : A. M. Gorkiy State University at Molotov

Submitted : 18 Feb 1954

KOBYAK, G. G.

Characteristics of waters of underr und lakes. G. A. Maksimovich and G. G. Kobiak (Compt. rend. Acad. Sci. U. R. S. S., 1941, 31, 26-28).—Chemical analyses of the waters of the lakes in the grottoes Titanic and Coliseum and of H_2O drip from the cavern in Ethereal grotto are recorded. They show that the waters of underground lakes in gypsum-anhydrite rocks are to be classified as mineral waters. L. S. T.

Characteristics of ice from the Kungur cave. G. A. Maximovitch and G. O. Kaplun. (Compt. rend. Acad. Sci. U.R.S.S., 1941, 31, 479—481).—The physical and chemical properties of ice taken from various parts of the Kungur cave in the Urals are tabulated.

C. R. H.

KOBYAK, L. A.

KOBYAK, L. A.: "The preparation of students in the first and second classes to enter the pioneer organization in connection with the teaching and training work held in these classes." Min Education RSFSR. Moscow City Pedagogical Inst imeni V.P. Potemkin. Chair of Pedagogy. Moscow, 1956. (Dissertations for Degree of Candidate in Pedagogical Sciences).

SO: Knizhnaya Letopsis' No. 22, 1956

Kobyak N.K.

2

PURTSELADZE, A.O.; TOKMAN, M.Ya.; ALEKSEYEV, V.B., kand.tekhn.nauk; KOBYAK, S.S., insh.; KUVSHINNIKOVA, R.I., insh.

Using electronic computers in planning the carrying-out of earthwork. Transp. stroi. 16 no.1:6-8 Ja '66. (MIRA 19:1)

1. Upravlyayushchiy trestom Sredazstroymekhanizatsiya (for Purtseladze). 2. Zamestitel' nachal'nika tekhnicheskogo otdela tresta Sredazstroymekhanizatsiya (for Tokman).

KOBYAK, Ye.K., mostovoy master (g. Volkovysk)

Better organization of the maintenance of railroad structures. Put' i put.khoz. 5 no.10:36 O '61. (MIRA 14:10)
(Railroad bridges--Maintenance and repair)

KOBYAKOV, Boris Sergeyevich, aspirant

Continuous automatic measurement of the ash content in coal.
Izv. vys. ucheb. zav.; elektromekh. 4 no.9:113-114 '61.(MIRA 14:9)

1. Kafedra avtomatiki Khar'kovskogo gornogo instituta.
(Furnaces)
(Radioactive substances--Industrial applications)
(Coal--Analysis)

KOBYAKOV, B.S., kand. tekhn. nauk; PARKHOMENKO, V.V., inzh.

Two-channel ash content γ-analyzer operating as a transducer in an automatic control system. Izv. vys. ucheb. zav.; gor. zhur. 6 no.10:101-102 '63. (MIRA 17:2)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki.

KOBYAKOV, B.S.

Effect of secondary gamma radiation on the results of measuring coal ash. Nauch. trudy KHGI 11:50-51 '62.

Conditions for the maximum continuous control of the relationship of the components of minerals. 52-53

(MIRA 16:11)

FROLOV, Ivan Timofeyevich; VIKTOROVA, V.Ye., red.; KOHYAKOV, G.G., ml. red.

[Methodology of biological research in outline; the system of biological methods] Ocherki metodologii biologicheskogo issledovaniia; sistema metodov biologii. Moskva, Myal', 1965. 285 p. (MIRA 18:7)

NOVIK, Il'ya Bentsionovich; RYZHOVA, M.A., red.; KOHYAKOV, G.G., ml. red.

[Modeling of complex systems; a philosophical essay] O modelirovanii sloshnykh sistem; filosofskii ocherk. Moskva, Nysl', 1965. 332 p. (MIRA 18:10)

KOBYAKOV, I., gvardii general-mayor tankovykh voysk, Geroy Sovetskogo Soyuza

Training on a complex theme. Voen. vest. 42 no.3:45-52 Mr '63. (MIRA 17:1)

USMANOV, Yu.A., zasl. deyatel' nauki Bashkirskoy ASSR, otv. za vypusk; KHRIZMAN, I.A., glav. red.; KOBYAKOV, I.A., red.; ABDUL'MENEV, M.I., red.; DYMENT, O.N., red.; IMAYEV, M.O., red.; MOSKOVICH, S.M., red.; ROZHDESTVENSKIY, V.I., red.; SERGEYEV, L.I., red.; SIMONOV, V.D., red.

[Chemicalization of agriculture in Bashkiria]Khimizatsiia sel'skogo khoziaistva Bashkirii; trudy konferentsii. Ufa, Bashkirskoe respublikanskoe pravlenie Vses. khim. ob-va im. D.I.Mendeleeva. No.1. 1959. 117 p. (MIRA 16:1)

1. Respublikanskaya konferentsiya po voprosam khimizatsii sel'skogo khozyaystva BASSR
(Bashkiria—Agricultural chemistry)

L 23023-66 EWT(1)/EWT(m)/EPF(n)-2/T/EWP(t)/ETC(m)-6 IJP(c) JD/AM

ACC NR: AP6009665 SOURCE CODE: UR/0181/66/008/003/0805/0808

AUTHORS: Morozov, A. I.; Kobyakov, I. B.; Kisil', I. I.

ORG: All-Union Scientific-Research Institute of Single Crystals, Khar'kov (Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov)

TITLE: Acoustoelectric interaction in hexagonal zinc sulfide

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 805-808

TOPIC TAGS: zinc sulfide, semiconductor carrier, semiconductor conductivity, piezoelectric property, acoustic speed, dielectric constant, photoeffect, electron mobility

ABSTRACT: For the purpose of determining the interaction between sound waves and free carriers in semiconductors of the $A^{II}B^{VI}$ type, which have piezoelectric properties, the authors determined the coefficients of electromechanical coupling (K_{33} and K_{15}), the speed of sound of the longitudinal waves along the optical axis, and the speed of the shear waves in a direction perpendicular to the optical axis)

Card 1/3

L 23023-66
ACC NR: AP6009665

in single crystals of α-ZnS grown from the melt in an argon atmosphere under pressure. They investigated the electron absorption and the acoustoelectric effect as functions of the intensity and spectral composition of illumination applied to the crystal. The dark damping of the longitudinal waves along the c axis and of the shear waves in a direction perpendicular to it were found to be 0.35 db/cm and 0.50 db/cm, respectively. The values obtained for K_{33}, K_{15} were 0.127 and 0.054 respectively, for d_{33} and d_{15} the values were 9.7 and -8.4 x 10^{-8} cm/statvolt. The dielectric constant was 8.7 in both directions. The longitudinal and transverse velocities by both the pulsed and the resonance method were 5.92 x 10^{-5} and 2.68 (2.67) x 10^{-5} cm/sec, respectively. The electron absorption was almost linear with the applied illumination. With changing illumination intensity, the average acoustoelectric field exhibits a plateau, which is in satisfactory agreement with the theory. The acoustoelectric voltage had a variation similar to the electron absorption. The investigated α-ZnS crystals were found to have n-type conductivity, with approximate electron mobility 80 cm^2/sec-v. The results are in agreement

Card 2/3

L 23023-66
ACC NR: AP6009665

with the theory of electron-phonon interaction in piezoelectric crystals. The authors thank S. G. Kalashnikov and V. A. Koptsik for interest in the work and M. Z. Zemlyanitsin for help with the measurements. Orig. art. has: 3 figures, 3 formulas, and 2 tables.

SUB CODE: 20/ SUBM DATE: 26Jul65/ ORIG. REF: 003/ OTH REF: 004

Card 3/3 LC

AUTHORS: Koptsik, V.A. and Kobyakov, I.B. SOV/70-4-2-14/36

TITLE: The Dielectric, Piezoelectric and Elastic Properties of Cancrinite (Dielektricheskiye, p'yezoelektricheskiye i uprugiye svoystva kristallov kankrinita)

PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 2, pp 223-225 (USSR)

ABSTRACT: The mineral cancrinite is closely related to nepheline and has the formula $(Na_2Ca)_4[AlSiO_4]_6CO_3\cdot(H_2O)_{0-3}$. Its hardness is 5-5.5 and density 2.42-2.48. The space group appears to be $C_6^6 = C6_3$ but the piezoelectric properties agree better with the group 6m. Crystal plates were cut correctly oriented to $\pm 5'$. Dielectric susceptibilities were measured as $\varepsilon_{11} = \varepsilon_{22} = 9.5 \pm 0.1$ and $\varepsilon_{33} = 11.2 \pm 0.3$ at room temperature with a bridge circuit working at 50 c.p.s. The loss at 20 kc/s was $\tan\delta \sim 0.01$ and the dielectric strength was about 30 kV/mm. The piezoelectric and elastic constants were measured dynamically by conventional resonance methods.

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Of the three piezoelectric moduli d_{31}, d_{33} and d_{15}, the last could be determined directly and was (averaged from 10 specimens):

$$d_{15} = -(27 \pm 4) \times 10^{-8} \text{ c.g.s.u.}$$

with an electromechanical coupling coefficient k of about 15%. From indirect measurements d_{33} was found to be $(13 \pm 5) \times 10^{-8}$ and d_{31} $(\pm 2 \pm 3) \times 10^{-8}$ c.g.s.u. The coefficient of electromechanical coupling corresponding to $d'_{32} = (14.9 \pm 0.3) \times 10^{-8}$ was 13%. The elastic compliances were found to be $s_{44} = (4.2 \pm 0.1) \times 10^{-12}$ $cm^2/dyne$; $s_{44} = 1/c_{44} = (4.3 \pm 0.2) \times 10^{-12}$; $s_{66} = 1/c_{66} = (3.5 \pm 0.1) \times 10^{-12}$ directly from principal cuts. The other values were derived from 3 groups of

SOV/70-4-2-14/36

The Dielectric, Piezoelectric and Elastic Properties of Cancrinite

crystals cut with $\theta = 45$, 60 and 75° and were: $s_{11} = (2 \pm 0.3) \times 10^{-12}$; $s_{33} = (1.3 \pm 0.1) \times 10^{-12}$ and $s_{13} = (0.3 \pm 0.2) \times 10^{-12}$ cm^2/dyne. As $s_{66} = 2(s_{11} - s_{12})$, $s_{12} = (0.2 \pm 0.3) \times 10^{-12} \approx 0$ as s_{12} cannot be positive. The crystals were rather imperfect and considerable variations between specimens were found. It is concluded that cancrinite does not come up to quartz as regards elastic properties but exceeds it in piezoelectric activity and in effectiveness of radiating and picking up u/s vibrations both in longitudinal and in torsional modes. It is therefore important to produce artificial crystals.

Acknowledgments are made to G.P. Barsanov and D.P. Grigor'yev. There are 1 figure, 1 table and 10 references, 8 of which are Soviet and 2 German.

Card3/4

SOV/70-4-2-14/36

The Dielectric, Piezoelectric and Elastic Properties of Cancrinite

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov)

SUBMITTED: November 15, 1958

Card 4/4

L 36406-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6018771 (A) SOURCE CODE: UR/0070/66/011/003/0419/0421

AUTHOR: Kobyakov, I. B.

ORG: All-Union Scientific Research Institute of Single Crystals (Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov)

TITLE: Piezoelectric, elastic and dielectric constants of hexagonal zinc sulfide

SOURCE: Kristallografiya, v. 11, no. 3, 1966, 419-421

TOPIC TAGS: zinc sulfide, piezoelectric modulus, elastic modulus, dielectric constant, resonance method, tensor analysis, semiconducting material

ABSTRACT: The resonance method was used to obtain the elastic, dielectric, piezoelectric and electromechanical coefficients of α-ZnS. The isotropic tensor of dielectric permeability was developed. Single crystals of ZnS were grown from the melt under an inert gas: 10 × 3 × 1.2 mm and 15 × 2.8 × 2.8 mm bars and 15 × 15 × 0.8 mm squares. Indium or silver was diffused onto the plate surfaces to serve as electrodes. The experimental conditions for obtaining the constants were listed individually; different sections of the crystals were measured (X, Y and Z) and the resonator frequencies for particular runs were given along with all constants measured during the run. In some instances the equivalent capacity, equivalent inductivity and equivalent contour were listed. The piezoelectric constants were also determined by a static method and it was

UDC: 548.0 : 537.226

Card 1/2

L 36406-66

ACC NR: AP6018771

4

found that d_{33} was positive while d_{15} and d_{31} were negative. It was established that α-ZnS is a weak piezoelectric material with $d_{33} = 9.7 \cdot 10^{-8}$ cm/stat-volt, $d_{31} = -3.4 \cdot 10^{-8}$ cm/stat-volt and $d_{15} = -8.4 \cdot 10^{-8}$ cm/stat-volt. Nevertheless, the high specific resistivity allows the use of this material in various types of electromechanical transformers. Further work on the temperature dependence of the above constants is essential to increase the range of applicability of α-ZnS and to elucidate the isotropic tensor of dielectric permeability. The author thanked I. M. Sil'vestrova for valuable consultations, I. I. Kisil', N. I. Kravnyukov for submitting the samples, and Ye. Ye. Ovechkina for assistance in the work. Orig. art. has: 1 table, 3 formulas.

SUB CODE: 20, 11/ SUBM DATE: 14Jun65/ ORIG REF: 001/ OTH REF: 005

Card 2/2 MLP

RUDNYY, M.M.; VEKSLER, A.Z.; KOBYAKOV, I.F.

Stabilized source of sinusoidal current for checking devices used for electric measurements. Trudy VNIIM no.38: 110-117 '59. (MIRA 13:4)
(Electric meters)

situated on the front panel. 4 references. [Abstracter's note: Complete translation.]
Card 1/1

UL'YANOV, M.Yu.; KOBYAKOV, N.M.

Programming electronic device for the automatization of experiments in elaborating temporary connections. Zhur. vys. nerv. deiat. 11 no.6:1134-1136 N-D '61. (MIRA 15:3)

1. Chair of Normal Physiology, Gorky Medical Institute.
(PSYCHOLOGY, PHYSIOLOGICAL—EQUIPMENT AND SUPPLIES)

ALEKSANDROV, A.I., kandidat tekhnicheskikh nauk; KOBYAKOV, N.P., master-razmetchik; POSHELOK, I.N., inzhener, retsenzent; BERKGAN, V.Yu., inzhener, redaktor.

[Layout work] Razmetochnoe delo. Sverdlovsk, Gos.nauchno-tekhn.izd-vo mashinostroit.i sudostroit.lit-ry [Uralo-Sibirskoe otd-nie] 1953. 259 p.

(MIRA 7:4)

(Machinery--Construction)

SHVARTSMAN, L.M.; KOBYAKOV, O.S.; KOSTIN, Yu.P.

Checkrowing with an automatic electronic device. Izv. AN Uz.SSR.Ser.tekh.nauk. no.3:68-70 '60.
(MIRA 13:7)

1. Institut mekhaniki AN UzSSR.
(Sowing) (Automatic control)

KOBYAKOV, P. V.

PA 41T31

USSR/Metallurgy
Sheet Metal, Properties
Heat Treatment

Feb 1948

"Physical Properties of a Pile of Metal Sheets during Heating," P. V. Kobyakov, Engr, Eastern Sci Res Inst of Fuel Utilization, 4½ pp

"Stal" No 2

Thermal conductivity of thin sheets in a direction perpendicular to their plane does not exceed 2% of the thermal conductivity of the sheet as a whole. Therefore, the height of the pile has no effect on the speed of its being heated. The basic heating current should be directed against the long side of the pile.

41T31

KOBYAKOV, P. V.

0.

951. OPERATION OF RECUPERATORS OF ROLLING MILL FURNACES. Kobyakov, P.V. and Kotrocskii, M.M. (Za "kon. "opliva (Fuel "con.), Mar. 1952, 8-12). Description and performance figures are given for recuperators in use, and suggestions are made for improvements. (L).

KOBYAKOV, F.V.

LEBEDEV, Nikolay Sergeyevich; ZOBNIN, B.F., kandidat tekhnicheskikh nauk, retsenzent; [redacted] kandidat tekhnicheskikh nauk, nauchnyy redaktor; DUGINA, E.A., tekhnicheskiy redaktor

[Gas heat-treatment furnaces; construction and operation] Gazovye nagrevatel'nye pechi; konstruktsii i ekspluatatsiia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 185 p.

(Furnaces, Heat--Treating) (MLRA 10:4)

TRAYANOV, O.G.; KOBYAKOV, F.V.; KONEVA, L.F.

Characteristics of the operation of gas-fired heating-furnace burners for the combustion of propane-butane. Gaz.prom. 10 no.5:22-23 '65. (MIRA 18:6)

BIRKENGOF, A.L., dots.; DARINSKIY, A.V., dots.; KOBYAKOV, S.G., dots.; NEVEL'SHTEYN, G.S., dots.; SOKOLOV, N.N., prof.; PETROV, V.V., prof.; MARCHENKO, A.I., dots.; KAMINSKIY, S.F., dots.; MINEYEV, V.V., dots.; BOBOK, V.D., dots.; GOLOVANOV, S.S., red.; VISHNYA, L.P., red.; GNOSHKO, N.G., tekhn. red.

[Leningrad Province; nature and economy] Leningradskaia oblast'; priroda i khoziaistvo. [Leningrad] Lenizdat, 1958. 343 p. (MIRA 11:12)

1. Predsedatel' Leningradskoy oblastnoy planovoy komissii (for Golovanov).

(Leningrad Province--Economic conditions)

KOBYAKOV, S.M., inzh.

Using models in designing and assembling structures. Mont. i spets. rab. v stroi. 23 no. 2:14-17 F '61. (MIRA 14:1)
(Factories--Design and construction)

KOBYAKOV, V.; FISHGOYT, V. (Moskva).

Management without divisional shops proved its value. Prom. koop. 12 no.2:25 F '58. (MIRA 11:1)

(Moscow--Industrial management)

L 8783-66 EWT(d)/EWT(1)/EWA(h)/FSS-2

ACC NR: AP5028144 SOURCE CODE: UR/0106/65/000/011/0075/0078

AUTHOR: Kicha, F. F.; Kobyakov, V. I.

ORG: none

TITLE: Using LC-circuits in square-radio-pulse integrators

SOURCE: Elektrosvyaz', no. 11, 1965, 75-78

TOPIC TAGS: radio telegraphy, phase shift keying

ABSTRACT: The problem of linear pre-detector integration intended to divide dense spectra of subcarriers, in phase-shift radio-telegraph systems, is described. A linear integrator is an optimal filter for square radio pulses. For some types of the multi-channel radio-telegraph receiver, where the requirements of the integrator parameters are not very strict, a single LC-oscillatory circuit can act as an integrator. Ferromagnetic core circuits (with initial permeabilities of 1500 and 2000) are recommended for the audio frequency band. Calculations based on Soviet-made-material data indicate that the cores with an effective permeability of 70--80 would exhibit an acceptable ambient-temperature stability and that an additional temperature compensation may reduce the temperature coefficient of frequency down to (10--15) x 10^{-6}. Orig. art. has: 6 figures and 2 tables.

SUB CODE: 17 / SUBM DATE: 17Mar65 / ORIG REF: 002 / OTH REF: 001

jw

Card 1/1

UDC: 621.396:621.396:621.396.235.9

BULAKH, G.D.; KOBYAKOV, V.M.

Effect of the temperature on the general flexure of reinforced concrete floating docks. Sudorem. i sudostr. no.2:147-153 '63. (MIRA 17:4)

1. Odesskiy institut inzhenerov morskogo flota.

GABELOVA, N. A.; KOBYAKOV, V. V.

"Frequencies and the Shape of NH and ND Bands in Muscle Proteins and their Relation to the Conformation of the Polypeptide Chain."

report submitted to 11th Intl Spectroscopy Colloq, Belgrade, 30 Sep-4 Oct 63.

Inst Biochemistry, AS USSR, Moscow

GABELOVA, N.A.; KOBYAKOV, V.V.

Structure of muscle proteins in relation to the problem of muscle contraction. Biofizika 7 no.4:387-401 '62. (MIRA 15:11)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(PROTEINS) (MUSCLES—MOTILITY)

GABELOVA, N.A.; KOBYAKOV, V.V.; KOFMAN, Ye.B.

Structural shifts in actomyosin detected by the infrared spectroscopic method. Report no.1:Stretching, heating, hydration. Biofizika, 7 no.2:125-136'62. (MIRA 16:8)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(ACTOMYOSINS—SPECTRA) (SPECTRUM, INFRARED)

KOBYAKOV, V.V.; GABELOVA, N.A.

Conditions of α-β transition in actomyosin films during stretching. Biofizika 7 no.6:691-699 '62. (MIRA 17:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

KOHYAKOV, Yu.O.

One cycle in 24 hours on a low-thickness seam. Ugol' Ukr. 2 no.12: 8-9 D '58. (MIRA 12:1)

1. Nachal'nik uchastka No.1 shakhty "TSentral'nyaya-Belyanka" tresta Leninugol'.

(Coal mines and mining)

KOBYAKOVA, A. A.

Conference of Young Experts of the Main Geophysical Observatory imeni A. I. Voyeykov (by Gayevskaya, G. N.) 50-2-22/22

28-29 Oct 1957. [redacted] ([redacted])

The lecture held by A. A. Kobyakova, on the application of electronic machines for the preliminary computations of the pressure field was very interesting. The audience was enabled to become acquainted with the works of the young experts of the geophysical main observatory which were written in the time from 1956 to 1957, as well as with a recording device which records the transparency of the atmospheric and was developed and constructed by V. I. Goryshin.

AVAILABLE: Library of Congress

Meteorologiya i Gidrologiya, 1958, No. 2, pp. 61-61.

Card 3/3

YUDIN, M.I., KOBYAKOVA, A.A.

Forecasting the H_{500} and H_{850} pressure fields by the use of the "Strela-3" electronic calculating machine. Trudy TSIP no.106:3-19 '60. (MIRA 13:12)

(Atmospheric pressure)
(Electronic calculating machines)

DUBOV, A.S.; KOBYAKOVA, A.A.

Problem of ΔT_{300} forecasting. Trudy GGO no.121:59-66 '61. (MIRA 15:5)

(Weather forecasting)

ACCESSION NR: AT4016868 S/2531/63/000/143/0014/0022

AUTHOR: Dubov, A. S.; Kobyakova, A. A.

TITLE: Experience in forecasting the fields of pressure, temperature and vertical currents in the lower stratosphere.

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy*, no. 143, 1963, Voprosy* chislennogo prognoza i struktura meteorologicheskikh poley (Problems in numerical forecasting and structure of meteorological fields), 14-22

TOPIC TAGS: troposphere, meteorology, baroclinic quasi-geostrophic model, weather forecasting, atmospheric pressure field, air temperature, air pressure, atmospheric vertical currents, stratosphere, lower stratosphere, atmospheric geopotential

ABSTRACT: The results of 13 one-day and two-day forecasts of the geopotential and temperature fields for the 200 millibar level are analyzed. The choice of the 200-mb level is not ideal but was selected because data were not available for higher levels. A baroclinic quasi-geostrophic model is used. Temperature forecasts for 48 hours in advance were successful, as illustrated by Enclosure. Correlation of the fields of vertical velocities, computed for the same period for the purpose of one-day and two-day forecasts, revealed no relationship

Card 1/2

Ca

11 12

Providing direction of enzymic action as an index of drought resistance in cultivated plants. II. Providing direction of protease action in drought-resistant and non-resistant strains of wheat. N. Sinakyan and A. Kobyakova. Biokhimiya 3, 798-808(1938); cf. C. A. 32, 6177. [illegible] seedlings of a drought-resistant wheat plant, synthesis declined from 29.1 to 5.0 mg. N, when the water content was reduced by 50%. Under the same conditions the hydrolytic activity of protease increased 1.84 mg. N. Non-resistant strains completely lost their synthetic activity when the water content was reduced 30-40%. Perishing of plants by drought is said to be intimately connected with a disturbance of the inherent enzymic equil. of the living tissues, whereby the hydrolytic activity becomes excessive and the synthetic action is lost. H. C.

Inst. of Biochem of the Academy of Sciences, USSR, Moscow

CA

110

Prevailing direction of enzymic action as an index of drought resistance in cultivated plants. III. The displacement of the enzymic equilibrium as a cause of the destruction of plant cells by drought. N. M. Sisakyan and A. Kolyshkina. Biokhimiya 6, No. 2, 202-9(1941). Abstr. Biol. Abs. 15, 1939, No. 9, 62, cf. C. A. 35, 6291.

— The direction of the activity of invertase and proteinase in the leaves of 2 grades of wheat (the stable to drought "Lyutestens 062" and the unstable to drought "Marquis") which were grown on sand cultures on Helbriegel's soil was investigated. The moisture content was regulated by the addn. of water. It was detd. that the loss of activity in leaves is due to the irreversible displacement of the enzymic activity in the direction of hydrolysis which disturbs the equil. between the processes of building up and destruction of live matter and leads to the self destruction of the protoplasm. In the grade unstable to drought this phenomenon takes place at a smaller water deficit stage than in the stable grade. W. H. Hess

Inst. of Biochem. of the Academy of Sciences, USSR, Moscow

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

11D

The prevailing direction of enzyme action as an index of drought resistance in cultivated plants. IV. The effect of withering upon the trend of the process of esterification and hydrolysis of phosphoric esters in plants. N. M. Shakhov and A. Kotchkina. *Biokhimiya* 5, 229-33 (1940); cf. C. A. 34, 4879.—By the method of vacuum infiltration, the phosphatase activity in the leaf blades of young sprouts of different sorts of wheat was investigated. The synthesizing activity of the phosphatases is decreased and the hydrolyzing activity increased when 30-40% of the water is lost from the leaves. The phosphatase activity reappears when the water deficit is still further increased (40-60%); the hydrolyzing activity likewise increases. No correlation exists between the synthesizing activities of invertase and of the phosphatases. In the course of withering the amt. of monophosphates decreases, while the diphosphate content simultaneously increases. H. Pavelay

INST. OF Biochemistry of the Academy of Sciences, USSR Moscow

METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

11 D

Diurnal variations of some biochemical indexes in plants. N. Shakyan and A. Kobyakova. *Biokhimiya* 3, 311-8(1938).—During day—night, the tobacco plant "Dubec" showed a high synthesizing invertase action, a predominance of oxidation over reduction, a max. of oxidation (Barba method), and an increased respiratory index (Hagedorn-Jensen method). One of the factors regulating photosynthesis is the high synthetic invertase ability. The invertase acts as a sort of a buffer, preventing a rise in osmotic pressure, and assisting in the formation of stable sugars.

H. Pravdin

Inst. of Biochemistry of the Academy of Sciences of the USSR, Moscow

METALLURGICAL LITERATURE CLASSIFICATION

BC

A-4

[redacted]

V. O. H.

METALLURGICAL LITERATURE CLASSIFICATION

CA

110

Degree of water saturation as a factor regulating the effect of invertase in plants. N. M. Sinelnyan and A. Kolesnikova. *Compt. rend. acad. sci. U. R. S. S.* 28, 831-2(1940) (in German).—The leaf blades of 10-day-old embryos of 3 wheat varieties were sold. with H_2O by immersion for 40 min. After removal of part of the H_2O they were subjected, after 1 hr., to infiltration according to the method of Karmanov. The results (tabulated) show that with a normal H_2O content (88.8%) the plant cell develops a high enzymic activity. Strong sats. of the cell completely stops synthesis. Water loss of the plant below the normal H_2O content reduces the synthesizing power of invertase, while hydrolysis undergoes no important changes. These results agree with other observations on the effect of excessive humidity, leading to a reduced assimilative power in higher plants. 10 references.

A. H. Kupper

METALLURGICAL LITERATURE CLASSIFICATION

CA

11D

Deliberate alteration of the direction of enzymic action in living plants. N. M. Sisakyan and A. Kalyuzhny. *Biokhimiya* 6, 41-9(in English, 49)(1941); cf. *C. A.* 35, 5049; 36, 3879.—The effect of several physiol. factors on fermentative processes in the leaf was studied in nasturtium, tobacco and sunflower plants by detn. of invertase (hydrolysis) and protease (synthesis) action. Removal of the budding flowers causes a shift of the direction of enzyme action toward synthesis. Removal of leaves only, or shading them, displaces the enzymic equil. of the rest of the plant in the direction of hydrolysis. The diurnal variations in the trend of enzymic action are det'd. by the intensity of the flow of sap and the applied stimuli. Enzyme action on various parts of the leaf. *Ibid.* 50-7 (in English, 57)(1941).—The synthesizing capacity is strongest at the base, weak at the apex and very weak in the midportion of the sunflower leaf. In the vascular system the trend of invertase action is markedly hydrolytic. During blossoming and at the beginning of fruiting the rate of hydrolytic processes is increased. The synthetic processes are increased at the end of fruiting. T. L.

INST. OF BIOCHEMISTRY OF THE ACADEMY OF SCIENCES OF THE USSR, MOSCOW.

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

KOBYAKOVA. A,

The action of enzymes in diffrent parts of the leaf. M. ZIRAKYAN AND A. KOBYAKOVA (INST. OF BIOCHEMISTRY OF THE ACADEMY OF SCIENCES OF THE USSR , MOSCOW) BIOKHIMIYA 6, no.1, p. 50, 1941.

CA

NP

Providing direction of enzyme action as an index of drought resistance in cultivated plants. V. Diurnal rhythm of trend of enzyme action on wilting. N. Nadtyan and A. Kalyuzhnyy. *Biokhimiya* 6, 108-12 (1941); cf. C. A. 35, 1607[illegible]. As is well known, the human blood pressure and cardiac output varies in a 24-hr. period. Similarly, every plant in the course of its normal vegetation period has a definite rhythmic action, as regards its enzymes. In drought-resistant plants, a water shortage does not appreciably disturb the periodicity of enzyme action; whereas in nonresistant plants the enzyme rhythmic action is lost. H. Priestley

Inst. of Biochemistry Academy of Sciences of the USSR

METALLURGICAL LITERATURE CLASSIFICATION

22

11D

Role of the osmotic factor in determining the direction of enzymatic action in the living plant cell. N. M. [illegible] and A. M. [illegible]. *Biokhimiya* 9, 139-41(1944).

The osmotic pressure of the cell was varied by introducing into the leaves, through vacuum infiltration, a mixt. of invert sugar with mannitol or sorbitol, or a mixt. of sucrose with the polysaccharides, depending on the purpose of the expt. The synthetic processes of invertase in the living plant cell are enhanced by increasing the concn. of osmotically active substances. Depending on the nature of the plant, the activity of invertase increases on raising the concn. of the antagonist introduced (invert sugar plus sorbitol) from 0.1 to 0.35-0.40 *M*. The hydrolytic processes are increased in cases where the osmotic pressure is raised to such a level as to cause dehydration. Higher concns., which cause plasmolysis (*C. A.* 10, 2016), result in a reduction in both the synthetic and hydrolytic effects.

H. Priestley

Inst. of Biochemistry of the Academy of Sciences of the USSR Moscow

CA

11D

Enzyme periodicity in leaves as related to the development of storage and reproductive organs. N. M. Sisakyan, A. M. Kabakchyan, and N. A. Vasil'eva (Bot. Sadovyi Inst., Moscow). Biokhimiya 10, 303-10(1945). By the method of vacuum infiltration (C.A. 39, 1487) it is found that the age and the physiol. condition of the plant affect the variations of the diurnal rhythm of enzyme synthesis and hydrolysis. The amplitude of the diurnal changes varies with the intensity of photosynthesis and the amt. of plastic material transported from the leaves to the reproductive and storage organs of the plant. The higher the demand of the organism for plastic substances, the greater is the variation in the changes. H. Pinsky

Inst. of Biochemistry im. A. N. Bakh of the Academy of Sciences, U.S.S.R., Moscow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

11D

Diurnal rhythm of the osmotic pressure of cell sap and its relation to the synthesis and breakdown of sucrose. N. M. Sisakyan, A. M. Kobzhanov, and N. A. Vasil'eva (Bach Biochem. Inst., Moscow). Biokhimiya 11, 413-22(1946); cf. C.A. 39, 227[7].—In the living cells of higher plants a high osmotic pressure is accompanied by intense synthesis of sucrose. When the osmotic pressure is low, the hydrolysis of sucrose is accelerated. Just as with enzyme reactions, the osmotic pressure shows rhythmic changes during a 24-hr. period. The osmotic pressure is highest at noon, and then decreases as the illumination becomes less. H. Priesley

Dept. of Biochemistry of the Academy of Sciences, USSR, im. A. N. Bakh, Moscow

C4

110

Effect of osmotic concentration on the adsorption and [illegible] of inversase in tissues of higher plants. N. M. [illegible] Sokhyan, A. M. Kobzarenko, and N. A. [illegible] (Bach Biochem. Inst., Moscow). Biokhimiya 12, [illegible] (1947). Inversase adsorption as influenced by osmotic [illegible] depended on the kind, function as well as on the physiol. state of the organ. The amt. of inversase elution depended on the degree of rest. The same osmotic [illegible] inversase elution in the resting roots and strong adsorption on roots in the state of vegetation. 11 Properties

Inst. of Biochem. im. A. N. Bakh, acad. of Sciences, USSR, Moscow

METALLURGICAL LITERATURE CLASSIFICATION

CA

11D

Prevailing direction of enzyme action as an index of drought resistance in cultivated plants. VI. Adsorption of invertase by tissues of withering plants. N. M. Reshyan and A. M. Kabyshova. *Biokhimiya* 13, 277-82; 19471; cf. C.A. 33, 7[illegible]. The expts. were performed with 2 varieties of wheat (drought and nondrought resistant (yyra), and with leaves of sugar beets and peas. The method of Kurssanov (*C.A.* 31, 14[illegible]) was used for detg. the adsorption of invertase and the enzymic formation and decompn. of sucrose. As transpiration proceeded, the adsorptive capacity of the plant tissues decreased, until, finally, the enzymes were eluted into soln. These processes took place in drought-resistant plants to a lesser extent than in nondrought-resistant varieties. H. P.

Inst. of Biochem. in a. n. Bach of the Acad. of Sciences of USSR, Moscow

Factors that determine the intensity of adsorption of enzymes by plant tissues. N. M. Nechyun and A. M. Kobyakova (A. N. Bakh Biochem. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 57, 803-6(1947).—Expts. with sugar beet showed that invertase adsorption does not show a clear-cut correlation with osmotic pressure in the leaves, but in the root system there is a rapid rise of adsorption with increase of osmotic pressure. As osmotic pressure rises adsorption or elution of the enzyme in turgid roots increases until at 22 atm. osmotic pressure a max. is reached, after which a decline sets in. In leaves the crit. pressure is about 18 atm. G. M. Kosolapoff

KOBYAKOVA, A. M.

USSR/Chemistry - Sucrose
Chemistry - Sugar Beets

Aug 1947

"Daily Periodicity of the Absorption Ability in Plants and Its Relation to the Fermentative Synthesis of Sucroses," N. M. Sisakyan, A. M. Kobyakova, N. A. Vasil'yeva, Inst Biochem imeni A. N. Bakh, Acad Sci USSR, 1 ½ pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVII, No 5

Describes experiments which lead to conclusion that roots of sugar beet possess capacity for intensive formation of sucrose after free invertase in them has been absorbed. Submitted by Academician A. I. Oparin, 20 Jan 1947.

PA 58T10

CA

11e

Activity and condition of enzymes in plastids. N. M. [illegible] and [illegible] (Bach Biochem. Inst., Moscow). [illegible] (1948).—The enzymes invertase, amylase, and protease were observed in chloroplasts, chromoplasts, and leucoplasts. The enzymatic activity depends on the origin of the plastid material as well as on the physiol. condition. In plants which store sugar invertase predominates over amylase; the reverse is true in plants which store starch. Most of the enzymes in the plastids are found in a stable adsorbed condition. On autolysis of the plastids, the enzymes go into soln. The more strongly the enzymes are adsorbed on the plastids, the less the enzyme activity prior to autolysis. The plastids can be regarded as a detail for biosynthesis. H. P.

INST. OF BIOCHEMISTRY IM. A.N. BAKH, ACADEMY OF SCIENCES, USSR, MOSCOW

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

11 a

Phosphorylase in isolated plastids. N. M. Shakyan and A. M. Kalamkarov. *Doklady Akad. Nauk S.S.S.R.* 91, [illegible]. — Plastids isolated according to S. and K. (*C.A.* 42, 7841c) were stained, for phosphorylase activity by measuring inorg. P in presence of starch, inorg. phosphate, and glucose 1-phosphate, with or without NaF; the Fiske-Subbarow detn. of P (*C.A.* 20, 1092) was used. Both chloroplasts and leucoplasts have considerable phosphorylase activity. The plastids are capable not only of phosphorolysis of starch, but also of formation of starch from glucose 1-phosphate (approx. 0.5 of the phosphorolysis activity). O. M. Kantapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

KOBYAKOVA, A. M.

37403. SISAKYAN N. M.; KARAPETYAN, V. K.; i KOBYAKOVA, A. M. Napravlennost' Fermentativnogo Prevrashcheniya Uglevodov Nasledstvenno Iarovykh Form Pshenitsy, Izmenennykh v Nasledstvenno Ozimye Formy. Problemy Biokhimii v Michurinskoy Biologii, Sb. 1, 1949, s. 102-12 — Bibliogr: 11 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

CA

11a

Enzymic activity of protoplasmic structures. N. M. Sisakyan and A. M. Kol'yakova. *Biokhimiya* 14, 93-[illegible] (1949); cf. C.A. 43, [illegible]. A study was made of the activity of invertase, phosphorylase, peroxidase, and polyphenoloxidase of plastids (spinach, sugar beet, carrot), as regards the firmness with which these enzymes are attached to the lipide-protein complex of the plastids. The enzymes are completely sepd. from the plastids by 2 hrs. centrifugation in a buffer soln. A rise in the osmotic pressure assists in the passage of the adsorbed enzymes into soln. The optimum yield of enzymes by autolysis of plastids occurs at a definite pH. The adsorption bond of the enzyme with the plastid lipide-protein complex is rather strong with invertase and peroxidase, and weak in the case of polyphenoloxidase and phosphorylase.

H. Priestley

THE INST. OF BIOCHEM. IM. AN. BAKH, OF THE ACADEMY OF SCIENCES, USSR, MOSCOW

METALLURGICAL LITERATURE CLASSIFICATION

A

D

Phosphoglucomutase activity of plastids. N. M. Sisakyan and A. M. Kaprahova. *Doklady Akad. Nauk S.S.S.R.* 67, 713-4 (1949).—The substrate remaining after the action of plastid phosphorylase on starch contains a substance with difficultly hydrolyzable phosphate radical, apparently a substance analogous to glucose 6-phosphate. The product isolated via the poorly sol. Pb salt contains reducing groups and has a nearly theoretical content of P for glucose phosphate. The confirmation of existence of phosphoglucomutase activity in the plastids from tomato leaves was obtained by direct enzymic treatment of glucose 1-phosphate at 20° in 0.05 *M* cysteine buffer; the rate of transformation to the 6-phosphate in many specimens was appreciable, that obtainable with muscle phosphoglucomutase prepns., and equil. is established at 80 [illegible]. Salts of Mg have a strong activation effect on the activity.

G. M. Kondorosf

2A

11A

Transport and movement of enzymes in living organisms. V. M. [illegible] and A. [illegible] Lebedev (Bakh Biochem. Inst., Moscow). [illegible] 11, [illegible] (1941); C. C. A.

41, 8016.—The enzyme activities of invertase, phosphorylase, and phosphoglucomutase were det. in plastids—the enzyme depots of plants. The enzyme activity decreased in the leaf plastids and increased in the root leucoplasts of the sugar beet and potato during vegetation. A decrease in the enzyme activity was observed in the leucoplasts of potatoes and sugar beets during storage. These changes are ascribed to enzyme migrations. In heterotrophy, the enzymes move from the root to the leaf, whereas in autotrophy the enzyme movement is from the leaf to the root. H. P.

INSTITUTE OF BIOCHEMISTRY IM. A.N. BAKH, ACADEMY OF SCIENCES, USSR, MOSCOW

SISAKYAN, N.M.; BIRYUZOVA, V.I.; KOBYAKOVA, A.M.

[redacted]

Changes in structure and enzymic activity of plastids in the ontogenetic development of the plant. Biokhimiya '51, 16, 449-452. (MLRA 4:10)
(BA -AIIX My '53:726)

KOBIAKOVA, A.M.

476 AEC-tr-2611

TYPES OF UNION OF ENZYMES WITH THE PROTEIN COMPLEX OF PLANT CELL [illegible] and A. M. Kobiakova. Translated by Eugenia Artschwager from Biokhimiia 17 [illegible] 1952) 4p.

2

SISAKYAN, N.M.; KOBYAKOVA, A.M.

Lipoxidases in isolated plastids [with summary in English].
Biokhimiia 22 no.3:516-522 My-Je '57. (MIRA 10:11)

1. Institut biokhimii im. A.N.Bakha Akademii nauk SSSR, Moskva.
(OXIDASES,
lipoxidases in isolated plastids (Rus))

KOBYAKOVA A.M., VASILYEVA N.A., GOFSHTEYN L.V. (USSR)

"The Participation of the Nucleus in Plant Cell Metabolism."

Report presented at the 5th Int'l Biochemistry Congress, Moscow, 10-16 Aug. 1961

SISAKYAN, N.M.; KOBYAKOVA, A.M.; FILIPPOVICH, I.I.

Adenosinetriphosphatase of protoplasmic structures in plants. Biokhimiia 28 no.6:1011-1017 N-D'63 (MIRA 17:1)

1. Institute of Biochemistry Academy of Sciences of the U.S.S.R., Moscow.

137-58-6-13906

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 385 (USSR)

AUTHORS: Shayevich, A.B., Kobyakova, E.V., Men'shikova, Z.P., Prostakov, M.Ye.

TITLE: Spectrometric Analysis for Iron, Tin, and Zinc in the Flux of Tin-plating Equipment (Spektral'nyy analiz flyusa ludil'nykh apparatov na zhelezo, olovo i tsink)

PERIODICAL: Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chernykh metallov, 1957, Nr 3, pp 169-172

ABSTRACT: A weighed portion is dissolved in HCl. The introduction of the dissolved matter into the discharge zone is accomplished by burning an ash-free filter paper impregnated with the solution being analyzed. A description of the device by means of which this incineration is performed is given. Photography is made by the ISP-22 spectrograph with an exposure of 50 sec; spectra are produced by an A-C arc, with a current of 6 amp. Analytical pairs of lines are: Sn 2661.25 - Zn 2756.45, Fe 2730.55 - Zn 2756.45. The mean-square error of three determinations is ~5%. A comparative table of the results of spectrographic and chemical analyses of the fluxes is adduced. 1. Iron--Determination 2. Tin --Determination 3. Zinc--Determination 4. Spectrographic analysis--Applications

A.Sh.

Card 1/1

KORYAKOVA, M. I., Jr. Sci. Co-worker
Uzbek Scientific Research Veterinary Experimental Station.
"Use of the extract from sugar beet in veterinary practice."

SO: Veterinariia 24(8), 1947, p. 34.

KOBYAKOVA, N. I. 188793

USSR/Medicine (Vet) - Tissue Therapy Aug 51

"Experience in the Application of Tissue Therapy for the Treatment of Mastites," N. I. Kobyakova, Jr Sci Assoc, Uzbek Sci Res Vet Inst

"Veterinariya" Vol XXVIII, No 8, pp 57, 58

Describes application of tissue extract prepd from sugar-beet leaves according to V. P. Filatov (cf. "Veterinariya" No 10, 1950). Finds results of treatment good (complete restoration of lactation in 88.9% of the cases).

10 188793

KOBYAKOVA, N. I., SHAMSUTDINOVA, G. N., SOFIYEV, M. S., SHTYREVA, L. V. and SHCHEULOV, A. P.

"On Toxoplasmosis of People and Animals in Tashkent."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Tashkent Medical Institute and the Institute of Zoology and Parasitology of the Uzbek Academy of Sciences

KOBYAKOVA, N.I., kand. veterinarnykh nauk

Wild goats and rams in captivity as carriers of coccidiosis.
Veterinariia 39 no.11:40-41 N '62. (MIRA 16:10)

1. Institut zoologii i parazitologii AN UzSSR.

KOBYAKOVA, N.S., studentka.

An evening in the physics club. Fiz. v shkole 15 no.5:95-96 S-O '55. (MIRA 9:1)

1. Chelyabinskiy pedagogicheskiy institut
(Physics--Study and teaching)

KOBYAKOVA, N. T. Cand Tech Sci

Dissertation: "Differential Protection of Transformers Inactive During a Transient Magnetizing Current."

18 Feb 49

Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov

SO Vecheryaya Moskva
Sum 71

KOBYAKOVA, N.T., kand. tekhn. nauk; SARTORI, V.A., inzh.

High-precision a.c. voltage regulators with saturation chokes. Trudy MAI no.85:23-40 '57. (MIRA 10:9)
(Voltage regulators)

KOBJAKOWA, W. I.

"Diaryles et leurs derives. Communication XVI." Joffe, I. S. Kobjakowa, W. I. (p. 2457)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 19.

KOBYAKOVA, Z. I.

Kobyakova, Z. I. "The fauna of Oridin Gulf", Rboty Mor. biol. stantsii Karelo-Fin. gos. un-ta, Issue 1, 1947, (In column heading: 1948), p. 25-33.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

KOBYAKOVA, Z.I., dotsent.

Composition, distribution, and productivity characteristics of the benthos of Onega Bay of the White Sea. Nauch.biul.Len.un. no.23:27-31 '49. (MLRA 10:4)

1.Kafedra gidrobiologii.
(Onega Bay--Marine biology)

KOBYAKOVA, Z.I.

Productivity of the floodland bodies of water. Uch.zap.Len.un.no.126: 279-340 '49. (MLRA 9:6)

1.Kafedra gidrobiologii.
(Volga Valley--Fresh-water biology)

AKUMUSHKIN, I.I.; BARANOVA, Z.I.; BRODSKIY, K.A.; VINOGRADOV, M.A.; VOLODCHENKO, N.I.; GALKIN, Yu.I.; GUR'YANOVA, Ye.F.; DOGEL' V.A.; D'YAKONOV, A.M.; ZEVINA, G.B.; IVANOV, A.V.; KIR'YANOVA, Ye.S.; KOBYAKOVA, Z.I.; KOLPUN, V.M.; KONEZHUKOVA, Ye.D.; KOROTKEVICH, V.S.; KRUGLOV, G.A.; LOZINA-LOZINSKIY, L.K.; LOMAKINA, N.B.; NAUMOV, D.V.; PERGAMENT, T.S.; RESHETNYAK, V.V.; SAVEL'YEVA, T.S.; SKARLATO, O.A.; SOKOLOV, I.I.; STRELKOV, A.A.; TARASOV, N.I.; USHAKOV, P.V.; SHCHERBINA, Z.G. YAKOVLEVA, A.M.; USHAKOV, P.V., obshchiy rukovoditel'; PAVLOVSKIY, Ye.N., akademik, redaktor; STRELKOV, A.A. redaktor; BRODSKIY, K.A., redaktor; ARONS, R.A., tekhnicheskiy redaktor.

[Atlas of invertebrates of the Far East seas of the U.S.S.R.] Atlas bespozvonochnykh dal'nevostochnykh morei SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1955. 240 p., 66 plates. (MLRA 8:10)

1. Akademiya nauk SSSR. Zoologicheskiy institut.
(Soviet Far East—Invertebrates)

KOBYAKOVA, Z.I.

New decapod species (Crustacea, Decapoda) from the southern Kurile-Sakhalin region. Trudy Zool. inst. 18 '55. (MLRA 9:2)
(Okhotsk Sea--Decapoda (Crustacea))

KOBYAKOVA, Z.I.

Certain aspects of the distribution of decapods in the South Sakhalin region. Trudy probl.i tem.sov. no.6:47-64 '56.(MLRA 9:11)

1. Leningradskiy gosudarstvennyy universitet.
(Sakhalin--Decapoda (Crustacea))

KOBYAKOVA, Z.I.

Decapoda in the region of the southern Kurile Islands. Issl. dal'nevost. mor. SSSR no.5:220-248 '58. (MIRA 12:3)

1. Leningradskiy gosudarstvennyy universitet.
(Kurile Islands--Decapoda)

KOBYAKOVA, Z.I.

Species and distribution of Decapoda in the shore waters of the Sikotan and Kunashir Islands. Issl. dal'nevost. mor. SSSR no.5: 249-259 '58. (MIRA 12:3)

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